

IN THE CLAIMS:

1. (Amended) A delayed-action insecticide bait consisting of [comprising] an insecticidal vegetable oil insoluble anionic fluorochemical surfactant and [, the surfactant being applied in an insecticidal concentration in solution to] a carrier in the form of dispersible nonliquid edible food, the insecticidal vegetable oil insoluble anionic fluorochemical surfactant being applied in an insecticidal concentration in solution to the carrier to form a toxic bait.

2. (Amended) The delayed-action insecticide bait of claim 1 wherein the anionic fluorochemical surfactant is a potassium perfluoroalkyl sulfonate having a chemical formula of $C_nF_{2n+1}SO_3K$, where n equals 6 or 8.

3. (Amended) The delayed-action insecticide bait of claim 1 wherein the anionic fluorochemical surfactant is a potassium perfluoroalkyl cyclohexyl sulfonate having a chemical formula of $C_nF_{2n-1}SO_3K$, where n equals 7 or 8.

4. (Amended) The delayed-action insecticide bait of claim 1 wherein the anionic fluorochemical surfactant is dissolved in a solvent which consists of a member selected from the group consisting of acetone and methanol.

5. (Amended) The delayed-action insecticide bait of claim 1 wherein the carrier consists of a member selected from the group consisting of dried yellow corn meal, corn grit, crushed wheat, and cracked wheat.

6. (Amended) The delayed-action insecticide bait of claim 1 wherein the bait is combined with [insecticide further comprises] soybean oil subsequently applied to the carrier as an attractant.

7. (Amended) The delayed-action insecticide bait of claim 1 wherein the anionic fluorochemical surfactant has a concentration of approximately 0.05 to 1.0% by weight.

8. (Amended) The delayed-action insecticide bait of claim 1 [7] wherein the anionic fluorochemical surfactant has a concentration of [is] approximately 0.1 to 0.5% by weight.

9. (Amended) The delayed-action insecticide bait of claim 1 [6] wherein the bait is combined with soybean oil subsequently applied to the carrier as an attractant and wherein the anionic fluorochemical surfactant has a concentration of approximately 0.3 to 0.5% by weight, the carrier has a concentration of approximately 94.7 [9.47] to 94.5% by weight, and the soybean oil has a concentration of approximately 5.0% by weight.

10. (Amended) The delayed-action insecticide bait of claim 2 wherein the anionic fluorochemical surfactant has a concentration of approximately 0.05 to 1.0% by weight.

11. (Amended) The delayed-action insecticide bait of claim 10 wherein the anionic fluorochemical surfactant concentration is approximately 0.1 to 0.5% by weight.

12. (Amended) A delayed-action insecticide bait consisting of [comprising] an insecticidal vegetable oil insoluble anionic fluorochemical surfactant and a carrier in the form of deployable

nonliquid edible food to form a toxic bait, produced by a method comprising the steps of:

dissolving the anionic fluorochemical surfactant in a solvent;

applying a sufficient amount of the surfactant/solvent solution to the carrier to provide an insecticidal concentration, thereby moistening the carrier; and

evaporating the solvent from the carrier.

13. (Amended) The delayed-action insecticide bait of claim 12 wherein the bait is combined with soybean oil subsequently applied to the carrier [method for producing the delayed-action insecticide further comprises the step of subsequently applying soybean oil to the carrier] as an attractant.

14. (Amended) A delayed-action insecticide composition consisting of [comprising]:

(a) a solid food carrier impregnated with

(b) an insecticidally effective amount of an anionic fluorochemical surfactant which is insoluble in vegetable oil.

15. The delayed-action insecticide composition of claim 14 wherein said anionic fluorochemical surfactant is a potassium perfluoroalkyl sulfonate having the chemical formula $C_nF_{2n+1}SO_3K$ wherein n is 6 or 8.

16. The delayed-action insecticide composition of claim 14 wherein said anionic fluorochemical surfactant is a potassium perfluoroalkyl cyclohexyl sulfonate having the chemical formula

$C_nF_{2n-1}SO_3K$ wherein n is 7 or 8.

17. The delayed-action insecticide composition of claim 14 wherein said solid food carrier is selected from the group consisting of:

- (a) dried yellow corn meal;
- (b) corn grit;
- (c) crushed wheat; and
- (d) cracked wheat.

18. (Amended) The delayed-action insecticide composition of claim 14 wherein said anionic fluorochemical surfactant has a concentration of approximately 0.05 to 1.0% by weight.

19. (Amended) The delayed-action insecticide composition of claim 14 wherein said anionic fluorochemical surfactant has a concentration of [is] approximately 0.1 to 0.5% by weight.

20. (Amended) The delayed-action insecticide composition of claim 14 wherein the composition is combined with [and further comprising] an attractant.

21. (Amended) The delayed-action insecticide composition of claim 14 [20] wherein said composition is combined with soybean oil subsequently applied to said solid food carrier as an attractant [is soybean oil].

22. (Amended) The delayed-action insecticide composition of claim 14 wherein said insecticidally effective amount is an amount which is effective against ants, roaches, or termites.

23. The delayed-action insecticide composition of claim 14

wherein said insecticidally effective amount is an amount which is effective against red imported fire ants.

24. The delayed-action insecticide composition of claim 14 wherein said anionic fluorochemical surfactant is of the formula:



wherein:

(a) R_f is a fluoroaliphatic radical containing up to 20 carbon atoms and

(b) R_4 is selected from the group consisting of:

(i) alkaline earth metal;

(ii) alkali metal; and

(iii) ammonium cation.

25. (Amended) The delayed-action insecticide composition of claim 24 wherein said anionic fluorochemical surfactant has a concentration of approximately 0.05 to 1.0% by weight.

26. (Amended) The delayed-action insecticide composition of claim 24 wherein said anionic fluorochemical surfactant has a concentration of [is] approximately 0.1 to 0.5% by weight.

27. (Amended) A delayed-action insecticide composition produced by a method consisting of [comprising] the steps of:

(a) dissolving in a solvent an anionic fluorochemical surfactant which is insoluble in vegetable oil to form a surfactant/solvent mixture; then

(b) impregnating a solid food carrier with an insecticidally effective amount of said surfactant/solvent

mixture; and then

(c) evaporating said solvent from said solid food carrier.

28. The delayed-action insecticide composition of claim 27 wherein said anionic fluorochemical surfactant is a potassium perfluoroalkyl sulfonate having the chemical formula $C_nF_{2n+1}SO_3K$ wherein n is 6 or 8.

29. The delayed-action insecticide composition of claim 27 wherein said anionic fluorochemical surfactant is a potassium perfluoroalkyl cyclohexyl sulfonate having the chemical formula $C_nF_{2n-1}SO_3K$ wherein n is 7 or 8.

30. The delayed-action insecticide composition of claim 27 wherein said solvent is selected from the group consisting of:

- (a) acetone and
- (b) methanol.

31. The delayed-action insecticide composition of claim 27 wherein said solid food carrier is selected from the group consisting of:

- (a) dried yellow corn meal;
- (b) corn grit;
- (c) crushed wheat; and
- (d) cracked wheat.

32. (Twice Amended) The delayed-action insecticide composition of claim 27 wherein said anionic fluorochemical surfactant has a concentration of approximately 0.05 to 1.0% by

weight.

33. (Twice Amended) The delayed-action insecticide composition of claim 27 wherein said anionic fluorochemical surfactant has a concentration of [is] approximately 0.1 to 0.5% by weight.

34. (Twice Amended) The delayed-action insecticide composition of claim 27 wherein the composition is combined [said method further comprises a step], subsequent to the evaporating step, with [of adding] an attractant added to said solid food carrier.

35. (Amended) The delayed-action insecticide composition of claim 27 [34] wherein the composition is combined, subsequent to the evaporating step, with [said attractant is] soybean oil applied to said solid food carrier as an attractant.

36. (Twice Amended) The delayed-action insecticide composition of claim 27 wherein said insecticidally effective amount is an amount which is effective against ants, roaches, or termites.

37. The delayed-action insecticide composition of claim 27 wherein said insecticidally effective amount is an amount which is effective against red imported fire ants.

38. The delayed-action insecticide composition of claim 27 wherein said anionic fluorochemical surfactant is of the formula:



wherein: